

## **AMENDMENTS TO THE SPECIFICATION**

Please amend the specifications as follows.

Please change the title to:

Methods for obtaining quick, and repeatable and non-invasive bioelectrical  
signals in living organisms

Please change the third sentence of the paragraph beginning on line 15 of page 10 to read as follows:

Some embodiments have a sensor and logic to quickly locate the points that  
are closest to the meridian.

Please amend the first sentence of the paragraph beginning on line 6 of page 11 to read as follows:

A third step of the present method may comprise obtaining a meridian signal from  
a probe 6 (Figure.5C).

Please amend the first sentence of the paragraph beginning line 10 of page 12 to read as follows:

Referring to Figure.2, Figure. 4, and Figure.5B ~~Figure 4~~, obtaining an electrical  
signal 6 entails stabilizing a probe against a patient's skin 30 by way of, for  
example, a stabilizing and isolating device attached to the probe, such as the  
isolation hood 40.

Please amend the first sentence of the paragraph beginning on line 1 of page 13 to read as follows:

Referring to Figures 5A and B and Figure 6.C, ~~Figures 5A and 5B~~, certain embodiments of the present methods may be achieved by providing....

Please amend the first sentence of the paragraph beginning on line 1 of page 13 to read as follows:

Referring to Figures 5A and 5B, certain embodiments of the present methods may be achieved by providing, for example, a probe apparatus comprising a probe housing 38 having a probe tip 42 and a isolation ~~head~~hood.

Please amend the sentence beginning on line 7 of page 13 to read as follows:

In this manner, pressure applied to the isolation hood 40 does not affect pressure applied to ~~by~~ the probe tip 42.

Please amend the paragraph beginning on line 13 to read as follows:

A probe apparatus may further comprise a probe tip 42 and detector 44 coupled to an isolator ~~39- 46~~ which is coupled to and insulated from the biasing element 48, which is all enclosed in the probe housing 38. One end of the biasing element 48 49 alone is coupled to the probe housing 38 while the ~~detector assembly~~ Probe apparatus moves freely within the probe housing 38 and one part of the biasing element 49. ~~A detector 44 is comprised of a detector shaft 44 and a probe tip 42.~~

The ~~detector 44~~ Probe tip 42 is operably connected to a feedback loop ~~46, 49 and 50~~ 42, 44, 50, 110, fig 14 and 49 which comprises, for example, hardware, electronics, firmware and software. A portion of the feedback loop 32, 34, 36 and shown in more detail in fig 14 may compare a first detected meridian signal to a second detected meridian signal and compare the relationship between the first and second detected meridian signals to compute and adjust the input that drives

the biasing element 48. A biasing element 48 may comprise any mechanical, pneumatic, hydraulic, electrical or magnetic mechanism, or any other mechanism known to those in the art, by which to vary the pressure applied ~~by~~ to a probe apparatus and ultimately to the ~~detector 44~~ probe tip 42. The feedback loop may compute information received from meridian signals and adjusts the amount of pressure applied to the ~~detector 44~~ Probe tip 42 by the biasing element 48 accordingly. For example, if a measured conductance value corresponding to a present pressure is slightly greater than the previous measured conductance value received from a previous smaller pressure, then the feedback loop will evaluate such information and may actuate the biasing element to apply slightly more pressure to the Probe tip 42 ~~detector 44~~ to obtain a future conductance value. The relationship of the change in meridian signal relative to the change in applied pressure is termed; the “sensitivity value”. The computer in the feedback loop will maintain this progressive process of incrementally driving the biasing element 48 with slightly more pressure as long as the sensitivity values are roughly linear 61 (Fig. 6). If, however, the feedback loop senses a definite change in the slope of the sensitivity values 60 then the feedback loop may determine to intelligently moderate 68 the pressure applied to the Probe tip 42 ~~detector 44~~ so that the slope of the sensitivity values may become relatively horizontal 69.

Please amend the sentence beginning on line 16 of page 14 to read as follows:

This process may consist of an automated sequence of events including:  
retracting the Probe tip 42 ~~detector 44~~, holding it in its retracted position so that  
the probe tip 42...

Please amend the last sentence on line 23 of page 14 and continuing on page 15 to read as follows:

This initiator may be comprised of an automated sequence of events including: retracting the Probe tip 42 ~~detector 44~~, extending the ~~detector~~ tip with a small and adjustable amount of pressure, and beginning meridian reading process.

Please amend the sentence beginning on line 5 of page 15 to read as follows:

This mode may be comprised of a sequence of events and or actions including: extending the Probe tip ~~detector~~ and holding it in its extended position with an adjustable amount of pressure, providing meridian reading sot the feedback loop, audible, visual, and tactile indicators that vary based on the strength of the meridian signal.

Please amend the last sentence of the paragraph beginning on line 3 of page 20 to read as follows:

In Figure 14, execution begins at decision block 160 for a determination as to whether or not a reading value of ~~grater~~ greater than zero is received.